

EXTERNAL ADJUSTMENT DEVICE FOR MAGNETIC DRUM SEPARATORS
ABSTRACT OF THE DISCLOSURE

The device adjusts clearance between a rotatable drum interior surface and an internal magnet array supported by a fixed shaft disposed inside such drum. The device includes a pair of hollow cylindrical sleeves disposed respectively between shaft end portions and drum end plates. Adjustment devices carried by each of the sleeves and located externally of the end plates vary the spatial distance between the sleeve interior surface and the outer surface of the shaft and for moving the drum longitudinal axis relative to the magnet array longitudinal axis to provide a generally uniform clearance space between the drum and magnet array outer surface. A plurality of spaced threaded radially disposed holes extend through the sleeve and a plurality of elongate screws are threaded into the holes and contact the shaft outer surface to move the respective sleeve with respect to the shaft for moving the drum longitudinal axis.

DRAWINGS

Enclosed on Separate Sheets.

SEQUENCE LISTING

Not Applicable.